

**What is claimed is:**

- 1        1. An exercise device, comprising:
  - 2            a wheel type treadmill having a plurality of
  - 3                footplates disposed on a wheel;
  - 4            a roller shaft, coupled to the wheel;
  - 5            a panel, coupled to the wheel type treadmill for
  - 6                setting operation modes; and
  - 7            a display unit, coupled to the panel, receiving
  - 8                video information and displaying environmental
  - 9                simulation.
- 1        2. The exercise device as claimed in claim 1,  
2        wherein the footplates are disposed on each side of the  
3        wheels, rotating with the roller shaft.
- 1        3. The exercise device as claimed in claim 1,  
2        further comprising a sensor, disposed on the wheel type  
3        treadmill and coupled to the roller shaft, detecting  
4        rotational speed of the roller shaft.
- 1        4. The exercise device as claimed in claim 1,  
2        further comprising an input device, coupled to the panel;  
3        and a processing unit disposed in the panel to control  
4        the operation modes according to rotational speed.
- 1        5. The exercise device as claimed in claim 4,  
2        further comprising a controller, coupled to the  
3        processing unit and the wheel type treadmill, wherein  
4        when the processing unit receives a command from the  
5        input device, a signal is sent to a controller to control  
6        the wheel type treadmill.

1           6. The exercise device as claimed in claim 1,  
2 further comprising a personal display device, with the  
3 display unit disposed therein, coupled to the panel.

1           7. An exercise device, comprising:  
2            a wheel type treadmill, having footplates, disposed  
3            on a wheel;  
4            a roller shaft, coupled to the wheel;  
5            a panel, coupled to the treadmill, for setting  
6            operation modes;  
7            an environmental simulation display device, coupled  
8            to the panel, receiving simulated information  
9            from the processing unit and displaying the  
10          same.

1           8. The exercise device as claimed in claim 7,  
2 wherein the footplates are disposed on each side of the  
3 wheel, rotating with the roller shaft.

1           9. The exercise device as claimed in claim 7,  
2 further comprising a sensor, disposed on the wheel type  
3 treadmill and coupled to the roller shaft, detecting  
4 rotational speed of the roller shaft.

1           10. The exercise device as claimed in claim 7,  
2 further comprising an input device, coupled to the panel;  
3 and a processing unit, disposed in the panel to control  
4 the operation modes according to rotational speed.

1           11. The exercise device as claimed in claim 10,  
2 wherein further comprising a controller, coupled to the  
3 processing unit and the wheel type treadmill, wherein

4       when the processing unit receives a command from the  
5       input device, a signal is sent to a controller to control  
6       the wheel type treadmill.

1           12. An exercise device, comprising:

2           a wheel type treadmill having a plurality of  
3           footplates disposed on a wheel;  
4           a roller shaft, coupled to the wheel;  
5           a panel, coupled to the wheel type treadmill for  
6           setting operation modes; and

1           13. The exercise device as claimed in claim 12,  
2       wherein the footplates are disposed on each side of the  
3       wheels, rotating with the roller shaft.

1           14. The exercise device as claimed in claim 12,  
2       further comprising a sensor, disposed on the wheel type  
3       treadmill and coupled to the roller shaft, detecting  
4       rotational speed of the roller shaft.

5           15. The exercise device as claimed in claim 12,  
6       further comprising an input device, coupled to the panel;  
7       and a processing unit, disposed in the panel to control  
8       the operation modes according to rotational speed.

1           16. The exercise device as claimed in claim 15,  
2       further comprising a controller, coupled to the  
3       processing unit and the wheel type treadmill, wherein  
4       when the processing unit receives a command from the  
5       input device, a signal is sent to a controller to control  
6       the wheel type treadmill.

1           17. The exercise device as claimed in claim 12,  
. 2        further comprising a personal display device, coupled to  
. 3        the panel.

4           18. The exercise device as claimed in claim 12,  
5        further comprise a display unit, coupled to the panel,  
6        receiving video information and displaying environmental  
7        simulation.